Remarks

Claims 1-15 are pending in the application. The claims were amended in the international phase, as set forth in the Annex to the International Preliminary Examination Report. Claim 1 is as set forth in the Annex. Claims 2-15 have been further amended as set forth herein to reduce dependencies and more closely conform to United States practice.

Respectfully submitted,
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APPENDIX A: Mark-up of amended claims

2. (amended) The [A] method as claimed in claim 1, wherein [characterised in that] the active ingredient of the immunogenic determinant [consists] predominantly comprises [of] one or more shock protein/antigenic peptide fragment complexes.

3. (amended) The [A] method as claimed in claim 1, wherein [either of claims 1 or 2, characterised in that] the stress-inducing stimulus is heat.

4. (amended) The [A] method as claimed in claim 3, wherein [claim 3, characterised in that] the pathogenic organism is heated to from 5 to 8°C above the normal temperature for cultivation of the organism.

5. (amended) The [A] method as claimed in claim 1, wherein [any of one of the preceding claims, characterised in that] the pathogenic organism is an extra-cellular procaryotic or protozoan species.

6. (amended) The [A] method as claimed in claim 1, wherein [any of one of the preceding claims, characterised in that] the pathogenic organism is a bacterial, protozoal or fungal species.

7. (amended) The [A] method as claimed in claim 1, wherein [any of one of the preceding claims, characterised in that] the immunogenic determinant is a mixture of heat shock protein/antigenic peptide fragment complexes.

8. (amended) The [A] method as claimed in claim 1, wherein [any of one of the preceding claims, characterised in that] the extra-cellular pathogenic organism has been modified to induce or enhance the induction of the synthesis of stress proteins.

9. (amended) The [A] method as claimed in claim 1, wherein [any of one of the preceding claims, characterised in that it] the method is carried out in vitro.

10. (amended) A vaccine composition [containing] comprising an immunogenic determinant, [characterised in that] wherein the immunogenic determinant comprises one

APPENDIX A: Mark-up of amended claims

or more complexes between a heat shock protein and an antigenic peptide fragment derived from the heat treatment of an extra-cellular pathogenic organism.

11. (amended) A vaccine composition produced by the method of claim 1 [any one of claims 1 to 9].

12. (amended) A vaccine composition as claimed in claim 10, wherein [either of claims 10 or 11, characterised in that] the composition [also contains] comprises an adjuvant for the immunogenic determinant.

13. (amended) The [A] vaccine composition as claimed in [any one of claims 10 to 12, characterised in that it] claim 10, which is an aqueous composition.

14. (amended) A method for treating an animal with a vaccine [, characterised in that it comprises] comprising administering a pharmaceutically acceptable quantity of a vaccine composition as claimed in [any one of claims 10 to 13] claim 10, sufficient to elicit an immune response in the animal.

15. (amended) A method for eliciting an immune response from an animal infection by an intra-cellular pathogenic organism the method comprising [the steps of;]:

administering a vaccine containing an immunogenic determinant, the immunogenic determinant being a stress protein/antigenic peptide fragment complex produced in situ from the intra-cellular pathogen, the synthesis of the complex being induced by external stress stimuli or by genetic modification of the pathogen so as to render its synthesis constitutive.